

Abstract

Method and device for culturing cells

In a method for culturing cells (2), cells (2) are placed, to form a cell layer, into a cell culture chamber which is formed in the interior of a support structure (1), the support structure (1) corresponding in its shape and size at least approximately to the shape to be formed by the cells (2), such as an implant or a prosthesis. Nutrients and/or oxygen are supplied to the support structure (1). The support structure (1) is furnished externally with a boundary layer (4) which is impermeable to cells.

101523454

DT01 Rec'd PCT/PTO 28 JAN 2005

ABSTRACT OF THE DISCLOSURE

A method for culturing cells (2), according to which cells (2) are introduced into a cell culture chamber in order to form a cellular layer, the chamber being configured inside a carrier structure (1). The shape and size of the carrier structure (1) correspond to the shape that is to be formed by the cells (2), such as an implant or a prosthesis. Nutrients and oxygen are fed to the carrier structure (1). The exterior of the carrier structure (1) is provided with a boundary membrane (4) that is impermeable to cells.